

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/007052

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, EMBASE, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PHAM PHUONG ET AL: "Processive AID-catalysed cytosine deamination on single-stranded DNA simulates somatic hypermutation." NATURE (LONDON), vol. 424, no. 6944, 3 July 2003 (2003-07-03), pages 103-107, XP002302398 ISSN: 0028-0836	1-3,26
Y	the whole document ----- -/--	24,25, 27,28

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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- *A* document defining the general state of the art which is not considered to be of particular relevance
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Date of the actual completion of the international search

26 October 2004

Date of mailing of the international search report

19/11/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	BRANSTEITTER RONDA ET AL: "Activation-induced cytidine deaminase deaminates deoxycytidine on single-stranded DNA but requires the action of RNase." PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, vol. 100, no. 7, 1 April 2003 (2003-04-01), pages 4102-4107, XP002302399 ISSN: 0027-8424	1-11,26
Y	the whole document	24,25, 27,28
Y	----- EDITED BY S. BECK AND A.OLEK: "The Epigenome" 2003, WILEY-VCH VERLAG GMBH, WEINHEIM, GERMANY, XP008037599 Chapter 1 (pages 1-20): Miller DS et al: "Five Not Four: History and Significance of the Fifth Base" pages 7-15	24,25, 27,28
A	----- WO 02/072880 A (BERLIN KURT ; EPIGENOMICS AG (DE); OLEK ALEXANDER (DE)) 19 September 2002 (2002-09-19)	
A	----- RAMSAHOYE B H ET AL: "DNA methylation: Biology and significance" BLOOD REVIEWS, vol. 10, no. 4, 1996, pages 249-261, XP002302400 ISSN: 0268-960X	
A	----- RAMIRO ALMUDENA R ET AL: "Transcription enhances AID-mediated cytidine deamination by exposing single-stranded DNA on the nontemplate strand." NATURE IMMUNOLOGY, vol. 4, no. 5, May 2003 (2003-05), pages 452-456, XP002302401 ISSN: 1529-2908	
A	----- EP 1 174 509 A (HONJO TASUKU ; KANSAI TECHNOLOGY LICENSING OR (JP)) 23 January 2002 (2002-01-23)	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/007052

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